

Study and Use of Petroleum Products

917

Ptashinskiy, I.A. and Frolova, M.K. Polarographic Method of  
Determining Tetraethyl Lead in Gasolines

181

The authors offer a simpler and more reliable method of determining the concentration of tetraethyl lead in aviation and automobile gasolines. The quantity is computed according to the formula  $TL (Pb(C_2H_5)_4) = \frac{323.22}{10e} C \cdot 75$ , where TL is the

quantity of tetraethyl lead per g/kg. of gasoline; C the concentration of lead chloride, determined according to a calibrated graph based on the polarographing of the tested solution; and the density of gasoline at 20° C. The quantity of ethyl liquid product P-9 per ml. in 1 kg. of gasoline is:  $X = 1.213 TL$ . It is stated that this method requires 1/3 to 1/4th as much time as standard methods. There is 1 figure, 1 table and 3 references, of which 2 are Soviet.

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Osher, R.N.; Zaytseva, L.D. Determination of the Saponification Number of Petroleum Products and the Content of Free Fats in Consistent Lubricants 185

This article first reviews in detail various methods for making the determination mentioned in the title. However, a unified method based on ordinary titration procedures is offered as being quicker and more accurate and has been accepted as standard method GOST 6764-53. There are 3 tables.

Bagryantseva, P.P.; Badayeva, M.K.; and Kaygorodtseva, R.A. The Protection of Hydraulic Gas Containers from Corrosion 189

A review is given of efforts that have been made to produce a suitable liquid to inhibit the corrosion of hydraulic valves of gas containers. Investigation showed that carbon black increased the viscosity of the oil base, while sudan apparently had no influence. Synthetic rubbers and polyisobutylenes were used successfully as components of the protective liquid. The simultaneous introduction of a passivator and a protective liquid into the water which

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flows through the shutoff valve of the gas container increases the effectiveness of corrosion protection. The acidity of this liquid does not have a negative effect on its protective properties. There are 7 tables and 1 figure.

Kaulina, M.M. and Luneva, V.C. Evaluation of the Viscosity Properties of Consistent Lubricants at Low Temperatures by Using Rotary and Capillary Viscometers

199

The above-mentioned methods are described in detail. 1) The rotary viscometer [Ref. 2] is based on measuring the resistance of lubricants on a revolving roller. 2) The capillary viscometer [Ref. 1, 4, 7] is based on measuring the resistance of oils passing through a capillary tube. The rotary viscometer has no temperature limitations, it is stated, and the viscosity of lubricant greases can be determined at -30° C. The rotary method was worked out by

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V.P. Pavlov and the capillary method by the Institut nefti AN SSR (Petroleum Institute, Academy of Sciences, USSR). There are 2 tables, 2 figures and 7 Soviet references.

Bagryantseva, P.P. and Badayeva, M.K. The Influence of the Volatility and Viscosity of Mineral Oils on the Operational Properties of Cold-resistant Consistent Lubricants

206

Commercial lubricants were investigated to compare their physicochemical and volume properties, and to test their work capacity in roller bearings on stands and under operational conditions as well. It was concluded that viscosity properties and work capacity of lubricants are dependent upon the hydrocarbon content and upon the volatility and viscosity, respectively, of their component mineral oils. Also, volatility showed great influence on viscosity properties, which were dependent in a linear relationship. Experiments were carried out at an experimental station of the ENII PP. There are 9 figures and 4 tables.

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Study and Use of Petroleum Products

917

Luneva, V.S., and Kovalev, V.A. Quick Method for Determining  
the Protective Capacity of Consistent Lubricants

219

This article outlines methods for and gives results of evaluating the protective effectiveness of lubricants against corrosion in both liquid and gaseous media. Petrolatum, gun lubricant and commercial vaseline were the more resistant to gaseous corrosion, while corrosion was best controlled in liquid media according to GOST 5757-51, which is based on measuring the width of the protective coating of oil deposited on metal surfaces at various temperatures, and several other factors. There are 4 figures, 7 tables and 14 Soviet references.

AVAILABLE: Library of Congress

TM/ksv  
1-23-59

Card 17/17

KUCZYNSKI, Jozef; PYDZIK, Tadeusz; WENCLEWSKI, Alojzy

Aryl sulfatase activity of the placenta and fetal brain and  
liver. Ginek. Pol. 35 no.3:373-378 My-Je '64

1. Z I Kliniki Poloznictwa i Chorob Kobiecyh Akademii Medycznej  
w Poznaniu (Kierownik: prof. dr. med. W. Michalkiewicz).

PYDZIK, Tadeusz; WENCLEWSKI, Alojzy

Value of Schlor's pregnancy test modified by Riess and Reitinger.  
Gin. polska 28 no.4:503-508 July-Aug 56.

1. Z Kliniki Płoznictwa i Chorob Kobiecych Akademii Medycznej w  
Poznaniu. Kierownik: prof. dr. I. Roszkowski. Klin. Pl. ozn. i  
Chor. Kobiecych. Poznan, Polna 33.

(PREGNANCY TESTS,

Schlors tests modified by Riess & Reitinger (Pol))

PYDZIK, Tadeusz; WENCLEWSKI, Alojzy

Behavior of adenosinetriphosphoric acid in blood of pregnant  
and parturient women. Polski tygod. lek. 12 no.1:27-30 1 Jan 57.

1. (Z Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu;  
kierownik: doc. dr. med. W. Michalkiewicz). Adres: Poznan, ul.  
Polna 33. Klin. Polozn. i Chor. Kob. A.M.

(ADENYL PYROPHOSPHATE, in blood

adenylpyrophosphoric acid, determ. in pregn. &  
parturient women (Pol))

(PREGNANCY, blood in

adenylpyrophosphoric acid, determ. (Pol))

(PUERPERIUM, blood in

same)

PYDZIK, Tadeusz

PYDZIK, Tadeusz; WENCLEWSKI, Alojzy

Further studies on adenosintriphosphoric acid in pregnancy, labor  
and puerperium. Polaki tygod. lek. 12 no.31:1185-1189 29 July 57.

1. (z kliniki Polonictwa i chorob Kobiecych A. M. w Poznaniu;  
kierownik: doc. dr med. W. Michalkiewicz). Adres: Poznan, ul. Polna  
33. Klin. Polon i Chor. Kob A. M.

(PREGNANCY, blood in,

ATP (Pol))

(PUERPERIUM, blood in

same)

(ADENYL PYROPHOSPHATE, in blood,  
in pregn., labor & puerperium (Pol))

PYDZIK, Tadeusz; WENCLEWKIS, Alojzy

Blood color and bilirubin level in umbilical cord blood in cases of  
blood incompatibility. Gin. polska 28 no.4:461-462 July-Aug 57.

1. Z Kliniki Poloznictaw i Chorob Kobiecyh A. M. w Poznaniu .  
Dyrektor: prof. dr I. Roszkowski. Adres. Alojzy Wenclewski, Poznan,  
Polna 33.

(BILIRUBIN, in blood

in umbilical cord in blood incompatibility, colorimetry  
(Pol))

(UMBILICAL CORD

blood bilirubin in blood incompatibility, colorimetry (Pol))

PYDZIK, Tadeusz; WENCLEWSKI, Alojzy

Bilirubin behavior in the blood in serological incompatibility after glucose administration in labor. Gin. polska 28 no.6:701-704 Nov-Dec 57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych A. M. w Poznaniu.

Dyrektor: prof. dr med. I. Roszkowski. Adres: Poznan, ul. Polna 33.

(BILIRUBIN, in blood

in Rh incompatibility in labor, eff. of glucose (Pol))

(RH FACTORS

incompatibility, eff. of blood bilirubin in labor, response to glucose (Pol))

(LABOR, physiol.

blood bilirubin levels in Rh incompatibility, response to glucose (Pol))

(GLUCOSE, eff.

on blood bilirubin levels in Rh incompatibility in labor (Pol))

PYDZIK, Tadeusz; WENCLEWSKI, Alojzy.

Investigations on catalase activity during labor. Gin.  
polska 28 no.2:235-240 Mar-Apr 1956.

1. Tadeusz Pydzik, Alojzy Wenclewski. Z Kliniki Położnictwa i  
Chorób Kobiecych A.M. w Poznaniu. Dyrektor: prof. dr. med.  
I.Roszkowski. Poznań, Polna 33.

(LABOR, blood in  
catalase, determ. in maternal & fetal blood (Pol))

(CATALASE, in blood  
during labor, determ. in maternal & fetal blood (Pol))

(FETUS, blood in  
catalase, determ. (Pol))

(BLOOD  
catalase in labor, in mother & fetus, determ. (Pol))

KOZYNSKI, Jozef; FYDZIK, Tadeusz

The fatal and neonatal mortality in protracted labors.  
Ginek. Pol. 36 no.4:397-404 Ap '65.

J. Z I Kliniki Poloznictwa i Chorob kobiecych AM w Poznaniu  
(Kierownik: prof. dr. med. W. Michalkiewicz).

PYETUK, I. N.

19045

Zaptash Rudnichnogo Gasa. Trudy Gorno-Geol. In-ta (Akad. Nauk SSSR, Esp. -sib.. Filial), Vyp. 4, 1949, C. 39-46

DO: LETONIS' No. 34

PRESKI, A.P.

Litor instrument potrebuushchi tarmicheskoy obrabotki (cast tools  
which do not require heat treatment).

Moscow 1946.

Pyerveyev, F. Ya.

USSR/ Chemistry

Card 1/1 Pub. 127 - 12/13

Authors : Pyerveyev, F. Ya.

Title : Investigation of alpha oxides of acetylene and vinylacetylene series

Periodical : Vest. Len. un. Ser. mat. fiz. khim. 10/2, 173-202, Feb 1955

Abstract : Investigation was made to determine the effect of radicals (acetylene hydrogen substitutes) on the nature of isomeric conversion of oxides and to explain the role of internal structural and external factors during other chemical conversions of these oxides. The investigation included a study of the reaction between oxides and water, ketones, alcohols, ammonia, organo-magnesium compounds, hydrogen sulfide, and the process of isomerization under the effect of  $ZnCl_2$  and mineral acids. The results obtained are tabulated. Fifty nine references: 32 Russian and USSR, 15 USA, 9 German and 3 French (1883-1953). Tables.

Institution : .....

Submitted : January 26, 1954

SOLNTSEV, A.I., kand.biologicheskikh nauk, dotsent; MUKHINA, N.A.;  
P'YESHCHAK, M.Yu., aspirant

Role of lactose in animal feeding. Izv. TSKEA no.3:228-232  
'62. (MIRA 15:9)

(Feeding)

(Lactose)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

ARSENI, K.; MARKOVICH, N.; P'YETRARU, N. (Bukharest)

Closure of skull defects. Khirurgiia 35 no. 5:84-87 My '59.  
(MIRA 13:10)  
(SKULL—SURGERY)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

P'YETSUKH, A.

Glider of my design. Kryl.rod. 2 no.2:22-23 F '51. (MIRA 10:2)

(Giders (Aeronautics))

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

P'YETSUKH,A.

From the experience of soaring flights. Kryl.rod. 3 no.4:  
14-17 Ap '52. (MIRA 8:8)  
(Gliders (Aeronautics))

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

P'YETSUKH, A.

Aerodynamic overload of a glider in flight. Kryl.rod. 3 no.9:17-18  
S '52. (Gliders (Aeronautics)) (MLRA 8:8)

P'YETSUKH, A.

PHASE I

## TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 714 - I

BOOK

Call No.: AP666889

Author: P'YETSUKH, A.

Full Title: WINGS OF YOUTH (EXPERIENCE IN GLIDING)

Transliterated Title: Kryl'ya molodezhi (Praktika planerizma)

## PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of the Defense Industry  
(Oborongiz)

Date: 1954

No. pp.: 291

No. of copies: Not given

Editorial Staff

Editor-in-Chief: Bolotnikov, V. F., Doc. of Tech. Sci.

The author expresses thanks for valuable help to B. Ya. Simonov.

PURPOSE: This popular booklet is intended as a textbook for gliding centers and stations.

## TEXT DATA

Coverage: The book contains basic information on gliding. In particular, the author discusses the following problems connected with gliders: aerodynamics, design, starting, towing by aircraft, training, special features of flying, structural strength, curvilinear flight, advanced flying, soaring. The book contains a number of diagrams and graphs explaining the statics, mechanics and dynamics

1/2

Kryl'ya molodezhi (Praktika planerizma)

AID 714 - I

of flying. In the introduction, a brief history of Russian gliding is given.

No. of References: None

Facilities: In the introduction and the annotation a number of names are mentioned.

2/2

P'yetsukh, A.

AID P - 2678

Subject : USSR/Aerodynamics  
Card 1/1 Pub. 58 - 16/20  
Author : P'yetsukh, A.  
Title : A light glider should be mass produced  
Periodical : Kryl. rod., 7, 21-22, J1 1955  
Abstract : The author discusses the article "What kind of mass-produced glider we need". He suggests a light glider adapted to soaring flights and gives its general specifications.  
Institution : None  
Submitted : No date

PYGSETSKIY, S. R.

"An Amplidyne Regulator with Critical Self-Excitation", Elektrichestvo, No. 8, 1949.

Cand. Technical Sci. Moscow. -c1949-

14984:

Pyhteev, G. N. Determination of the axially symmetric potential motion of an incompressible fluid from given values of the direction of its velocity. Bul. Inst. Politehn. Iași (N.S.) 2 (1956), no. 3-4, 35-38. (Russian, Romanian and English summaries)

Let  $z, r$  be cylindrical coordinates,  $V(z, r)$  the speed of flow, and  $\delta(z, r)$  its inclination to the axis of symmetry. Then

$$\partial \ln V / \partial r - \partial \delta / \partial z = r^{-1} \sin^2 \delta,$$

$$\partial \ln V / \partial z + \partial \delta / \partial r = -r^{-1} \sin \delta \cos \delta.$$

Let  $\zeta = z + ir$ , set the complex potential  $\phi + i\psi = w(\zeta, \xi)$ , and let  $f(\zeta, \xi) = i\delta + \ln(V/\alpha)$ , where  $\alpha$  is a real constant. Then  $w(\zeta, \xi)$  can be found in terms of integrals with respect to  $\zeta$  or  $\xi$  of products of  $e^f$  or  $e^{\phi f} / \partial \zeta$  by linear functions of  $\zeta - \xi$ .

J. H. Giese (Aberdeen, Md.)

2  
F/W

*S.TANISLAW, Pyrof  
P.Y.JORI STANIS law*

*Siporex and Ytong, modern building materials. STANISLAW,  
Pyrof. Materiały Budowlane, 7 (7-8) 194-204 (1952).  
It deals with the economical advantages resulting from the production  
and application of porous concrete, i.e., Siporex and Ytong, in  
place of brick and heavy concrete. The chemical and physical  
properties and the influence of raw materials on such properties  
are discussed fully. 9 figures, 4 references. Cf. Centrum Akadem.  
1953, June, p. 102g.*

*A.D.I.*

PYJOR, S.

"Technology of "Strong" lime gas concretes." p. 73. (MATERIALY BUDGALNE, Vol. 8,  
no. 3, Mar. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

PYKA, J.L.

Distribution of velocities in the atmosphere of a pulsating  
star of  $\eta$  Aql. Postepy astronom 12 no.3:199-204 '64.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

POLAND

PTKA, Jerzy

Institute and Observatory of Meteorology and Climatology, Univ. of  
Wroclaw

Warsaw, Acta geophysica polonica, No 3, July/Sept 1966, pp 267-69

"Visual observations of noctilucent clouds in Poland in 1963, 1964  
and 1965."

L 00264-66 EWA(h)

ACCESSION NR: AT5022103

PO/2542/65/000/007/0051/0058

AUTHOR: Pykacz, H. (Doctor, Senior assistant of physics dept)

TITLE: Microwave radiation detector /9

SOURCE: Breslau. Politechnika. Zeszyty naukowe, no. 93, 1964. Fizyka, no. 7,  
51-58TOPIC TAGS: radiation detector, semiconductor device, microwave detector,  
resonator Q factor

42

41

B+

25

ABSTRACT: This paper discusses the advantages of electrodeless semiconductor radiation detectors using microwaves and compares them to conventional semiconductor radiation detectors. The principle of operation of the microwave detector is described and analytically investigated for the case when the resonant method is used for measuring changes in the semiconductor material parameters (dielectric constant and conductivity) due to incident radiation. In the practical solution investigated, the semiconductor sample is placed inside a microwave cavity resonator and the radiation incident on the sample changes the cavity resonant frequency and Q-factor by changing the electrical parameters. The point of departure of the analysis is the perturbation equation for the cavity resonator. Formulas are derived for the change in the cavity resonant frequency and Q-factor.

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L 00264-66

ACCESSION NR: AT5022103

resulting from the incidence of radiation on the sample. The sensitivity of such a detector is defined as the ratio of the change in resonant frequency to the incident radiation power. Sensitivity formulas for such a detector are derived as well as a formula for the optimal sample volume for which the sensitivity is maximal. The effect of the resonator mode ( $H_{00p}$  and  $E_{010}$ ) on the sensitivity of such a detector is investigated. As an example, the optimum sample size is calculated for the  $E_{010}$  resonator operating at the 3-cm wavelength ( $V_{opt}=2.7 \text{ mm}^3$ ); for the  $H_{011}$  resonator the optimum sample size is three times as great. It is noted that for a sample of optimum size it is preferable to use the  $H_{011}$ -mode resonator because of its higher Q-factor. "The author thanks Prof. Marian Suski for suggesting the problem and for his interest in its investigation." Orig. art. has: [08]

ASSOCIATION: Katedra Fizyki Politechniki Wrocławskiej (Department of Physics,  
Wrocław Polytechnic Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: EC, NP

NO REF SOV: 000

OTHER: 005

ATD PRESS: 4/00

Kc  
Card 2/2

PyKH, yes

WILHELM I. WILHELM

9160/10

**1961.**, *Technologie i historja stakla i keramiki* (The Chemistry, Technology, and History of Glass and Ceramic). Minsk. Ned.-izdat. Otdel. BPI. Izd-vo T. V. Belorus. 360, 138 p. (Series: Itogi Naukovo-tekhnicheskogo issled., vyp. 86) 1,200 copies printed.

**PURPOSE:** This book is intended for chemists and physicists interested in the composition, structure, and properties of glasses and ceramics.

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ing the properties of various glass and ceramic compositions.

history of climate variability. No personal bias are evident.

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**ANSWER.** — *In a. [Question or Note] we have seen that*

**Budde, A. H.** [Candidate of Technical Sciences (Deceased)]

The Parrot Order During Hunting

Mary, V. P. [Candidate of Technical Sciences], and V. V. Nekrasov [Candidate of Technical Sciences]. Formation of Proprietary Steel Pipe with

卷之三

The Chemistry, Technology, and History (Cont.)

THE INDUSTRY AND TECHNOLOGY OF CERAMICS

Prob., 10. 1. [Englehardt (Minsk)]. Low-melting opaque glasses

**Barts, Rudolf** [Doctor of Engineering (Prag)]. Metallurgist.

प्राचीन भारतीय विज्ञान और तकनीक (प्राचीनतम्)।

ପ୍ରକାଶନ କମିଶନ

Native Clays in the Production of Ceramic Articles

Scholarship Fund [Graduate of Technical Sciences (GTSK)].

[PRAE CLAY FILER] Gravel

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343730001-9"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

PYKH, Ye.S., inzhener (Minsk)

Low-melting opaque glazes. Sbor. nauch. trud. Bel. politekh. inst.  
no.86:88-92 '60. (MIREA 13:10)  
(Glazes)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

PYKAL, Jaroslav

Welding on heavy-duty presses. Stroj vyr 11 no.3:143-144 Mr '63.

1. Zavodni pobocka Ceskoslovenske vedecko-technicke spolecnosti,  
Zavody presneho strojirenstvi, n.p., Gottwaldov.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

PYKAL, Jaroslav

"Automation of resistance welding" by Ladislav Pliva. Reviewed by  
Jaroslav Pykal. Stroj vyr 10 no.11:585 '62.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

PYKH, Ye. S., Cand Tech Sci -- (diss) "Synthesis of zirconium-lithium glazes and study of their properties." Minsk, 1960. 23 pp; (Ministry of Higher, Secondary Specialist, and Professional Education Belorussian SSR, Belorussian Polytechnic Inst im I. V. Stalin); 150 copies; price not given; (KL, 17-60, 158)

PYKHACHEV, G. B.

"The Significance of Pressure for Rate of Delivery of Oil by a Bed," Neft. Khoz.,

No. 3, 1948.

PYKHACHEV, G. B.

24937

PYKHACHEV, G. B. -Izmeneniye Heftehacyshehennosti Plasta V Gvyazi  
C Davleniyem. (Po Povodu Odnogo Uravneniya Akad. L. C. Leybenzona).  
Trudy Grozn. Heft. In-Ta, SB. 7, 1949, C. 153-71--Bibliogr: 6 Hazv.

6 Metallurgiya. Metallovedeniye B. Metallovedeniye. Metallografiya

So: Letopis', No. 33, 1949.

PYKHACHEV, G. B.

Among the papers presented by the First All-Union Conference on Aerohydrodynamics (8-13 Dec 1952) convened by the Institute of Mechanics, Academy of Sciences USSR, was:

"Separating Oil From a Horizontal Bed Under the Influence of a Forcing Gas"  
by Pykhachev, G. B.

SO: Izvestiya AN USSR, Otdeleniye Tekhnicheskikh Nauk, No. 6, Moscow,  
June 1953, (W-30662, 12 July 1954)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

PYKHACHEV, G. E.

Dissertation: "Solutions by Approximate Methods of Hydromechanics of Problems on Displacement From a Bed of Petroleum Under the Action of Gas." Dr Tech Sci, Inst of Mechanics, Acad Sci USSR, 6 May 54. (Izchernaya Monika, Moscow, 29 Apr 54)

SO: SUM 243, 19 Oct 1954

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

PYKHACHEV, Georgiy Borisovich; YEVDOKIMOVA, V.A., prepodavatel' kafedry . . .  
dotsent, kandidat tekhnicheskikh nauk, retsenzsent; BORISOV, Yu.P.. . .  
kandidat tekhnicheskikh nauk, retsenzsent; VATOLIN, G.E., vedushchiy  
redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[Collection of problems for the course "Underground Hydraulics."]  
Sbornik zadach po kursu "Podzemnaya gidravlika." Moskva, Gos.  
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 80 p.  
(MLR 10:7)

1. Kafedra "Obshchay i podzemnyy gidravliki" Moskovskogo neftyanogo  
instituta im. akad. I.M.Gubkina (for Yevdokimov, Borisov)  
(Hydraulics--Problems, exercises, etc.)  
(Petroleum engineering)

PYKHACHEV, G. B.

AUTHOR: Pykhachev, G.B. (Groznyy).

24-8-29/34

TITLE: Investigation of the problem of exploitation of a strip shaped oil bearing stratum with a low gas saturation.  
(Issledovaniye voprosa razrabotki polosoobraznogo neftenosnogo plasta s maloy gazovoy nasyshchennost'yu).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk"  
(Bulletin of the Ac.Sc., Technical Sciences Section),  
1957, No.8, pp. 159-160 (U.S.S.R.)

ABSTRACT: The author limits himself to the case of unidimensional filtration and considers the problem of the non-steady state parallel stream filtration of gas containing oil in a cavity shaped stratum, assuming that, at the initial instant of time, the stratum pressure is equal to the saturation pressure of the liquid with the gas. The following two variants are investigated: during extraction of the gas containing oil the initial pressure is maintained at the stratum level  $x = 0$ ; the stratum is assumed semi-infinite with the limit contour being the contour of flow of the gas containing oil,  $x = 0$ .

There are 2 figures.

SUBMITTED: January 14, 1957.

AVAILABLE: Library of Congress

Card 1/1

PYKHACHEV, G.B.

Approximate calculation of the output of an imperfect well.  
Izv. vys. ucheb. zav.; neft' i gaz 6 no.10:41-45 '63. (MIRA 17:3)

1. Groznenskiy neftyanoy institut.

PYKHACHEV, G.B.

Application of equations of the unidimensional flow of a formation fluid or gas to certain curvilinear flows. Izv.vys.ucheb.  
zav.; neft' i gaz 6 no.9:53-56 '63. (MIRA 17:2)

1.Groznenskiy naftyanyy inst.

PYKHACHEV, G.B.

Heterogeneous fluid flow in reservoirs. Trudy VNII no.25:24-37  
'59. (MIRA 15:4)

1. Groznenkiy nauchno-issledovatel'skiy neftyanoy institut.  
(Oil reservoir engineering)

PYKHACHEV, Georgiy Borisovich; DUBROVINA, N.D., vedushchiy red.; VORONOVA,  
V.V., tekhn. red.

[Underground hydraulics] Podzemnaia gidravlika. Moskva, Gos.  
nauchno-tekhn.izd-vo neft. i gorno-toplivoi lit-ry, 1961. 386 p.  
(MIRA 15:1)

(Oil reservoir engineering)

KLIMENTOV, Petr Platonovich; PYKHACHEV, Georgiy Borisovich; TOLSTIKHIN, N.I., prof., retsenzent; SHAGOYANTS, S.A., prof., retsenzent; DAVIDOVICH, V.I., dots., retsenzent; ASATUR, K.G., dots., retsenzent; NOVOZHILOV, V.N., dots., retsenzent; PAUKER, N.G., starshiy nauch. sotr., retsenzent; KRASIL'NIKOVA, N.P., ass., retsenzent; ABRAMOVA, S.K., otv. red.; SLAVOROSOV, A.Kh., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Dynamics of underground water] Dinamika podzemnykh vod. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 514 p. (MIRA 14:12)

(Water, Underground)

PYKHACHEV, G.B.

"Imperfect" fluid flow in a layer. Izv. vys. ucheb. zav.; neft' i  
gaz 2 no.10:33-39 '59. (MIRA 13:2)

1.Groznenskiy neftyanoy institut.  
(Oil reservoir engineering)



**Bogoliubin, L. A.** [Moscow Petroleum Institute]. Revision of the Seismic Method and the Coupling Methods. 159  
The author describes the seismic RNP method recently developed at the Institute's seismic laboratory with the aid of the KNI (All-Union Research Institute) of Geophysics and passed on to the Petroleum Industry. He mentions the results obtained in field and laboratory testing while using a basic modification of the RNP method.

**Abdullaev, R. A.** [Azerbaijan Industrial Institute]. Precise and Approximate Methods for Interpretation of Travel-Time Curves of Reflected Waves. 176

The author records several approximate and precise analytical and graphical methods for determining effective speeds with the use of travel-time curves of reflected waves.

**Datikashvili, A. N.** [KRN - Design Office for Petroleum Instrument Manufacturing] - Equipment of Automatic-Geophysical Field Stations. 196

The author states that his KRN office cooperates with the design offices of the Neftepridor (Petroleum Instrument), Gеorizika (Geophysics), and the Mytishchinskly Instrument-Making Plants in manufacturing the largest amount of new industrial geophysical equipment in the Petroleum Industry. Because of the large demand by the industry, the volume produced by the KRN office was inadequate and production was doubled in 1957. The KRN has an experimental plant, a model shop, and laboratories.

**Dobrovorov, V. M.** and A. I. Molin [Moscow Petroleum Institute]. On the Problem of Quantitative Determination of Residual Oil Saturation in a Reservoir Oil-bearing Out by Radioactive Methods. 209

The authors state that the determination of the type of liquid saturating the formation reservoir encased in the well presents one of the major problems for advancing the technology of petroleum exploration. Constant observation of the movement and changes in water-oil contact in all wells is essential, and the radioactive method, developed between 1953 and 1955 at Laboratory No. 1 of the KNI (Moscow Petroleum Institute), which helps determine the type of liquid saturating the formation, answers the purpose.

**Sazanovich, O. N.** [Moscow Petroleum Institute]. Some Theoretical Problems on Methods for Separating Oil-bearing Formations from Water-bearing Formations. 213

The author refers to the experiments conducted at the KNI and other organizations which contributed to the development of methods to separate oil-bearing from water-bearing formations; he describes several physical processes that take place during neutron study methods and presents pertinent evaluating calculations.

**Chamov, I. A.** [Moscow Petroleum Institute]. One of the Integral Equations of the Filtration Theory and Some of its Applications. 230

The author gives a detailed description and graphic calculations of an integral equation of the filtration theory.

**Petushikh, P. M.** [Moscow Petroleum Institute]. On Equations Used for Determining Fluids in Oil-bearing Formations Having a Low Gas Saturation. 248

The author shows the connection between differential equations of filtration and the equations of yields.

**Dzhenebary, G. B.** [Grozny Petroleum Institute]. Determination of the Oil-bearing Formation Having a Low Gas Saturation. 257

The author reviews filtration in mixed liquid and gas phase formations and submits equations.

**Bagdasarov, S. Sh.** [Kuban'chansk Industrial Institute]. The Role and Significance of a Hydraulio Seal in Exploitation of Oil Deposits. 266

The author is opposed to the exploitation of new deposits with dissolved gas in petroleum production under prevailing techniques during the initial period, particularly when it is intended to correct the condition by secondary methods. This system has been responsible for depleting many old petroleum deposits (Baku, Groznyy, Krasnodar, etc.).

(9)

PYKHACHEV, G.B.

Revised method for calculating dissolved-gas oil flow toward  
a well. Neft.khoz. 36 no.2:39-43 P '58. (MIRA 12:4)  
(Oil reservoir engineering)

PYKHACHEV, G.B.

Alternate method for solving a problem on gassed fluid flow.  
Izv. vys. ucheb. zav.; neft' i gaz no.1:63-66 '58. (MIRA 11:8)

1.Groznenskiy nef tyanoy institut.  
(Hydraulics)

PYKHACHEV G.B.

PYKHACHEV G.B. (Groznyy)

Investigating problems in development of banded oil-bearing layers  
with low gas content. Izv. Akademi SSSR Otd. tekh. nauk no. 8:159-160 Ag '57.  
(MIRA 10:11)

(Petroleum engineering)

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PYKHACHEV, G. V.

USSR/Petroleum  
Oil Production  
Oil Pressure

Mar 1968

"The Significance of Pressure for Rate of Delivery  
of Oil by a Bed," G. V. Pykhachev, 4 pp

"Neftyanoye Khozyaystvo" No 3

Technical mathematical discussion of role of pres-  
sure in the rate of delivery of oil from a well.

FID

61T98

DIVAKOV, A., kandidat tekhnicheskikh nauk; KONAREVSKIY, A., inzhener;  
PYKHALOV, S., inzhener; SHAPOVALENKO, M., inzhener.

Refrigerated car with automatic temperature regulation. Mias. ind.  
SSSR 25 no.6:39-41 '54. (MLRA 8:1)

1. Vsesoyusnyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Divakov, Konarevskiy and Pykhalov).  
(Refrigerator cars)

BOKOV, I.I.; PYKHOV, E.V.; ZINOV'YEV, A.F.; MEL'MAN, R.P.

Wear testing machine for wire. Zav. lab. 30 no.68755 \*64  
(MIRA 178)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

PYKHOV, N.  
USSR/Loading Facilities 4602.0331  
Personnel Efficiency 4602.0323

Dec 1947

"Increasing the Technical Norms for Loading Railroad Cars with Fuel Freight," N. Bogdanov, Candidate in Mechanical Sciences. S. Pronin, Engineer Major of Traffic, N. Pykhov, Candidate in Mechanical Sciences, 6 pp

"Zh-d Transport" No 12

Discloses percentage of load-lifting capacity of covered cars, hopper cars, half-cars and gondolas, double-axis and quadruple-axis platforms. Complete text of Decree No 698/Ts of Ministry of Transportation shows new technical norms for loading rolling stock beginning 3 Nov 1947. Decree gives loading norms for varieties of coal from Donbass, Kuzbass, Pechora, Karaganda Basin and Moscow area and also gives established load-lifting capacity of railroad cars. Authors suggest seven measures to improve loading. Table shows weight of eight types of firewood.

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BOGDANOV, N., kandidat tekhnicheskikh nauk; PRONIN, S.; PYKHOV, N., kandidat  
tekhnicheskikh nauk

Raising the load norms for fuel hauling cars. Zhel.dor.transp. no.12:  
16-21 D'47. (MIRA 8:12)

1. Inzhener-mayor dvizheniya (for Pronin)  
(Railroads--Freight)

PYKHOV, N., BOGDANOV, N., and S. PRONIN, §.

Povyshenie tekhnicheskikh norm zagruzki vagonov toplivnymi gruzami. /Increasing technical standards for fuel supply loading of freight-cars/. (Zhel-dor. transport, 1947, no. 12, p. 16-21).

DLC: HE7.25

SO: Soviet Transportation and Communications. A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

FYKHOV, N.I., dots.; MAKARENKO, P.G., inzh.

~~Efficiency of packing freight. Trudy MTI no.9:4-13 '58.  
(Railroads—Freight) (MIRA 11:5)~~

VYLETNIKOVA, Yelena Pavlovna, kand.tekhn.nauk; PYKHOV, Nikolay  
Ivanovich, kand.tekhn.nauk. Prinimali uchastsiye: POVOROZHENKO,  
V.V., doktor tekhn.nauk; KOCHETOV, S.N., inzh.. CHECHEL', A.A.,  
red.; BOBROVA, Ye.N., tekhn.red.

[Organization and commercial operations in railway transport]  
Organizatsiya perevozok i kommercheskaya rabota na zhelezno-  
dorozhnom transporte. Moskva, Gos.transp.zhel-dor.izd-vo, 1959.  
522 p. (MIRA 12:11)

(Railroads)

PYKHOV, V.G.

Problems of cost of alcohol production. Spirit.prom. 25 no.2:21-22  
'59. (MIRA 12:3)

(Alcohol)

AREF'YEV, I.I.; PYAKHOV, V.G.

Combining the sugar and distilling industries and developing  
facilities for the production of dry feed yeasts. Spirt.prom.  
29 no.2:27-28 '63. (MIRA 16:3)  
(Industrial organization) (Feeds)

RYKHOV, V.G.

"Production cost of the food industry and means of lowering it"  
by V.E. Donskov. Reviewed by V.G. Rykhov. Svet. prom. 25 no.6:  
44 '59. (Food industry--Costs) (Donskov, V.E.)  
(MIRA 12:12)

PYKHOV, V.G.

Alcohol, fermentation, liqueur-and vodka, brewing, soft drinks  
and acetone-butyl industries in the period from 1964-1965.  
Ferm. i spirt. prom. 30 no.2:4-7 '64. (MIRA 18:2)

1. Gosplan SSSR.

PYKHOV, V.G.

Output and cost calculation for different types of ethyl  
alcohol. Spirt.prom. 25 no.8:36-37 '59. (MIRA 13:3)  
(Ethyl alcohol)

PYKHOV, V.G.

Problems in raising labor productivity in the system of the Office  
of Alcohol. Spirt.prom.21 no.3:31-33 '55. (MIRA 8:12)

1. Glavnoye upravleniye spirtnoy promyshlennosti  
(Distilling industries)

PYKHOV, V. G.

The cost price of alcohol and ways of its further lowering. Moskva, Pishche promizdat, 1954. 56 p.

1. Distilling industries - Russia.

PYKHOV, V.G.

New wholesale prices and their effect on the profitability of  
an enterprise, and the cost of production. Sptz.prom. 20 no.3:  
19-20 '54. (MLRA 7:10)

(Distilling industries--Accounting) (Prices)

PTIKHOV, V.G.

Productive capacity and capital of the distilling industry.  
(MIRA 10:12)  
Spirt.prom. 23 no.6:21-23 '57.  
(Distilling industries)

RIZBERG, I.I.

"Cost of producing alcohol and ways of reducing it." V.G.Pyhov,  
A.G.Kobylianski. Reviewed by I.I.Rizberg. Spirit.prom.21 no.2:  
61 '55. (MLRA 8:10)  
(Alcohol) (Pyhov,V.G.) (Kobylianski,A.G.)

PYKHOV, V.G.; KOBILYANSKIY, A.G.; KRUGLOVA, G.I., redaktor; MEDVEDEVA, I.A.,  
tekhnicheskiy redaktor.

[Cost of alcoholic spirits and means of lowering it still more]  
Sebestoimost' spirta i puti ee dal'neishego snizheniya. Moskva, Pishche-  
promizdat, 1954. 58 p. [Microfilm] (MLRA 7:12)  
(Distilling industries)

PIKHOV, V.G.

Problems in the decrease of production costs. Spirit.prom.20 no.1:14-17  
'54. (MLRA 7:5)  
(Distilling industries--Costs) (Liquor industry--Costs)

AUTHOR: Pykhov, V.G.

SOV/71-59-2-5/26

TITLE: Some Questions on the Cost of Alcohol (Nekotoryye voprosy se-bestoinosti spirta)

PERIODICAL: Spirtovaya promyshlennost', 1959, Nr 2, pp 21-22 (USSR)

ABSTRACT: The actual cost of 1 dkl of alcohol has hardly changed since 1956. However, considerable fluctuation has taken place in regard to the various items making up the total cost. Thus the costs fluctuated within the following limits: potatoes - 16 to 5% of the total production cost of alcohol, molasses - 38 to 58%, grain - 46 to 37%. Table 2 gives a comparison of cost of alcohol made from edible raw material for 1956, 1957 and 1958 for each Soviet Republic in per cent in relation to the average cost (100%). The highest cost figure of 114% is attained by the Georgian SSR. At present, each Sovnarkhoz keeps a record of detailed cost calculations of alcohol production by each distillery under its jurisdiction,

Card 1/2

Some Questions on the Cost of Alcohol

SOV/71-59-2-5/26

which has to offer explanations in case of deviation from the  
established plan or previous analyses.  
There are 3 tables.

Card 2/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9

PYKHOVA, Iraida Aleksandrovna; TOLYPINA, O.N., red.  
[Labor intensity of industrial production] Trudo-  
emkost' produktsii promyshlennosti. Moskva, Ekonomika,  
1965. 141 p. (MIRA 18:12)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343730001-9"

PTKHOVA, I. A., prepodavatel'

On the problem of applying the law of the economy of labor time  
in the development of the chemical industry. Trudy Ural. politekh.  
inst. no.95:85-99 '59. (MIRA 13:8)  
(Chemical industries--Labor productivity)

PIKHOVA, I.A., kand.ekonom.hauk

Determining time expended per unit of production. Trudy Ural.  
politekh. inst. no.120-98-104 '61. (MIRA 16:6)  
(Sverdlovsk--Time study) (Productivity accounting)

ZHUKOV, Aleksey Vasil'yevich; PYKHOVA, I.A., retsentent; KOSYAKOV,  
P.O., red.; TSYMBALIST, N.N., red. izd-va; KOROL, V.P.,  
tekhn. red.

[Measuring labor productivity in refractory enterprises] Iz-  
merenie proizvoditel'nosti truda na ogneupornykh predpriati-  
iakh. Moskva, Metallurgizdat, 1963. 102 p. (MIRA 16:7)  
(Refractories industry--Labor productivity)

KALYUZHNYY, V.A.; PUKHOVA, N.G.

Recent data on the lithological and mineral composition and arrangement  
of Middle Devonian deposits in the Ukhta region of the southern Timan.  
Dokl. AN SSSR 146 no.3:662-665 S '62. (MIRA 15:10)

1. Predstavleno akademikom D.I.Shcherbakovym.  
(Timan ridge—Geology, Stratigraphic)

ZHURAVLEVA, Z.A.; POSTNIKOV, V.G.; POSTNIKOVA, I.Ye.; PYKHOVA, N.G.;  
ROZANOVA, T.V.

Stratigraphy of the Ushakovka series of the Irkutsk amphitheater.  
Dokl. AN SSSR 166 no.3:678-680 Ja '66.

(MIRA 19:1)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.  
Submitted September 4, 1965.

OSIPOVSKY, N.I. PIKROVSKY

Recent information concerning the Terrigenous Devonian of the  
central and southern regions of the Edmont A.S.S.R. in connection  
with trends in petroleum prospecting. Trudy VMII no. 43:320.  
(MIRA 18:6)

PYKHOVA, N.G.

Possibility of using the method of palynological analysis for  
the detailed correlation of the Pashiya series of the south-  
east of the Tatar A.S.S.R. with similar sediments in western  
Bashkiria. Trudy VNIIL no.43:332-339 '65. (MIKA 18:6)

POSTNIKOVA, I.Ye.; PYKAVA, N. .

New data on the delineation of the stratigraphic boundary between  
the Staryi Oonet and Vilyine horizons. Trudy VNII no. 30:13'-1,5  
'60. (Geological, Stratigraphic)

PYKHOVA, N.G.

Detailed correlation of terrigenous producing sediments in the Paskiyn series by means of the spore-pollen analysis as exemplified by the correlation of oil-bearing areas in the southeastern Tatar A.S.S.R. (MIRA 14:2)  
Trudy VIII no.30:147-167 '60.  
(Tatar A.S.S.R.--Geology, Stratigraphic)

PYRNOVA, N. S.

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SO: Knizhnaya Retoos' No. 22, 1956

FYKHOVA, N. G.

Paleobotany--Donets Basin

Stratigraphic significance in the small spores of the subgroup Hymenozonotriletes  
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PYKHOVA, N.G.

Occurrence of sediments characterized by Mosolo and Vorob'yevka  
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Tuymazy oil-bearing region. Trudy VNII no.23:31-36 '60.  
(MIRA 13:11)

(Tuymazy region--Palynology)

PYKHOVA, N.G.

Spore and pollen complexes in the terrigenous part of the Devonian  
in the Tatar A.S.S.R. and their stratigraphic importance. Trudy  
VNII no.23:37-49, 254-273 '60. (MIRA 13:11)  
(Tatar A.S.S.R.--Palynology)

PYKHOVA, I.

Required expenditure of labor on production is an important  
factor of labor productivity in the chemical industry. Sots.  
trud no.3:24-28 Mr '58. (MIRA 13:3)  
(Chemical industries--Labor productivity)

PYKHOVA, N.G.

Distribution of spores in Eifelian sediments of the Shkapovo  
area. Trudy VNII no.34:265-270 '62. (MIRA 15r7)  
(Shkapovo region--Palynology)

PYKHOVA, N.G.

Using spore analysis for correlating the Pashiya sediments in  
the Upper-Zaitova area. Trudy VNII no.38:201-210 '63.  
(NIRA 17:9)

PYKHOVA, S.V.

Multiplication of yeast cells in the continuous fermentation  
process. Spirt.prom. 27 no.1:5-9 '61. (MIRA 14:2)  
(Yeast) (Fermentation)

Pykhova, S. V.  
USSR/Chemical Technology - Chemical Products and Their Application. Fermentation  
Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63540

Author: Skalkina, Ye. P., Pykhova, S. V.

Institution: None

Title: Yeast Propagation Method at Petrovsk Industrial Alcohol Plant.

Original

Periodical: Tr. Vses. n.-i. in-ta spirit. prom-sti, 1955, No 5, 44-47

Abstract: At the Petrovsk alcohol plant has been effected the method of yeast proliferation on wort acidified to 0.8-0.85° in lieu of the 0.9-1° specified in the current instructions. Experimental investigations have shown that cultivation of yeast at lower acidity speeds up maturing of yeast by 4-8 hours, and thus raises the output of the yeast department by 10-20%; increases the number of cells in mature yeast from 65 million at an acidity of 1-1.1°, to 82 million at an acidity of 0.95-1°, and to 110 million per one ml yeast at acidity of 0.8-0.85°; reduces expenditure of acid by 15-20%.

Card 1/1

MALCHENKO, A.I.; PYKHOVA, S.V.

Studying the process of yeast propagation in the continuous  
method of fermentation. Ferm. i spirt. prom. 30 no.3:7-11 '64.  
(MIRA 18:2)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti (for  
Malchenko). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut  
fermentnoy i spirtovoy promyshlennosti (for Pykova).

YAROVENKO, V.L.; PYKHOVA, S.V.; USTINNIKOV, B.A.; LAZAREVA, A.N.; MAKEYEV, D.M.

Fermentative hydrolysis of starch in continuous alcohol fermentation.  
Ferm.i spirt.prom. 31 no.1:5-10 '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i  
spirtovoy promyshlennosti.

YAROVENKO, V.L.; USTINNIKOV, B.A.; PYKHOVA, S.V.; LAZAREVA, A.N.;  
KUCHEROVA, E.A.,

Utilization of the cellular juice of potatoes in the combined  
production of starch and alcohol. Trudy TSNIISP no. 13:3-10  
'62. (MIRA 17:5)

GRINSHPUN, L.Ya.; PYLAYKIN, P.A.; KHIRDZHIYEV, S.G.; PERTSOVSKAYA, Ye.V.

Tanks on powerful horizontal hydraulic presses for the extrusion of  
aluminum alloys. Kuz.-shtam.proizv. 6 no.1:21-24 Ja '64.  
(MIRA 17:3)

YAROVENKO, V.L.; USTINNIKOV, B.A.; PYKHOVA, S.V.; LAZAREVA, A.N.

Testing and improvement of the technological flow sheet for the combined processing of potatoes to starch and alcohol in the Michurinsk Distillery. Trudy TSNIISP no.12:46-50 '62.

(MIRA 17:3)